

# PATENT ABSTRACTS OF JAPAN

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(21)Application number : 2001-104343 (71)Applicant : KOBE STEEL LTD

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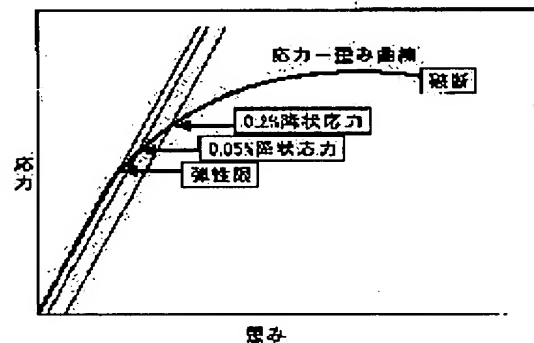
## (54) SOLID WIRE FOR ARC WELDING

### (57) Abstract:

PROBLEM TO BE SOLVED: To provide a solid wire for arc welding which is extremely excellent in rectilinear propagation property.

SOLUTION: The solid wire for arc welding has a (0.2% yield strength)/(0.05% yield strength) ratio of 1.15 to 1.40 in a tensile test.

Further, one kind or two kinds of graphite and MoS<sub>2</sub> exist on a surface of the wire totally by 0.01 to 2.0 g per 10 kg of the wire. Otherwise one, two or more kinds of oils and fats selected from a group composed of vegetable oils, animal oils, mineral oils and synthetic oils exist on the surface of the wire totally by 0.1 to 2 g per 10 kg of the wire.



## LEGAL STATUS

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